

Converting Colors

$Y_{xy}(41.0510, 0.2025, 0.2491)$

Have a look what the booklet for
Yxy(41.0510, 0.2025, 0.2491)
contains.

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Color

Yxy(41.1087, 0.2027, 0.2497)

Conversions

Conversions Part 1

Format	Color
Hex	00B9F2
RGB	0, 185, 242
RGB Percent	0%, 73%, 95%
CMY	1.0000, 0.2745, 0.0511
CMYK	1.00, 0.24, 0.00, 0.05
HSL	194°, 100%, 47%
HSV	194°, 100%, 95%
XYZ	33.3710, 41.1087, 90.1527
YIQ	136.1830, -128.5570, -21.4930

Conversions

Conversions Part 2

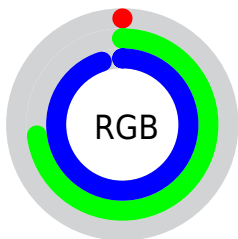
Format	Color
R _Y B	0, 105, 242
Decimal	47602
CIE Lab	70.25, -19.04, -39.09
CIE LCh	70, 43.484, 244.029
Yxy	41.1087, 0.2027, 0.2497
Android (android.graphics.Color)	4278237682 (0xFF00B9F2)
YUV	136.1830, 52.1678, -119.4325
Hunter-Lab	64.1161, -19.2979, -38.4856

Details

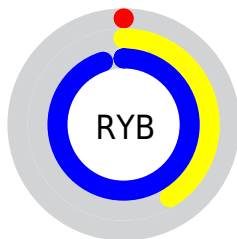
The Yxy color **41.1087, 0.2027, 0.2497** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **21.7933, 0.6134, 0.3512**, and the grayscale version is **24.5301, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.4456, 0.2378, 0.3122**, and **20.0477, 0.1977, 0.2315** is the 20% darker color. If you saturate the color by 10%, you get **41.1102, 0.2027, 0.2497**, and if you desaturate by 10%, it is **43.7380, 0.2066, 0.2584**.

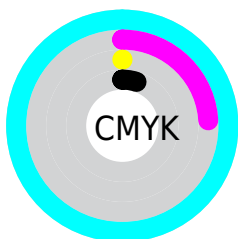
Distribution



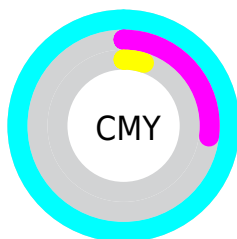
- Red (0%)
- Green (73%)
- Blue (95%)



- Red (0%)
- Yellow (41%)
- Blue (95%)



- Cyan (100%)
- Magenta (24%)
- Yellow (0%)
- Black (5%)



- Cyan (100%)
- Magenta (27%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.1087, 0.2027, 0.2497 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 41.1087, 0.2027, 0.2497 by changing the saturation by 10% instead.

41.1087, 0.2027,
0.2497

41.1087, 0.2027,
0.2497

350.7747, 0.2556,
0.2902

28.4040, 0.1905,
0.2397

76.8489, 0.2213,
0.2644

18.6304, 0.1754,
0.2270

100.6532, 0.2284,
0.2699

11.4036, 0.1565,
0.2105

128.9261, 0.2346,
0.2746

6.3390, 0.1325,
0.1884

162.0522, 0.2399,
0.2786

3.0523, 0.1018,
0.1582

200.4156, 0.2446,
0.2821

1.1591, 0.0617,
0.1166

244.4010, 0.2487,

0.0279, 0.0000,

0.2851

0.0067

294.3925, 0.2523,
0.2878

■ 0.0000, 0.0000,
0.0000

■ 41.1087, 0.2027,
0.2497

■ 41.1087, 0.2027,
0.2497

■ 41.1102, 0.2027,
0.2497

■ 43.7380, 0.2066,
0.2584

■ 46.7072, 0.2121,
0.2672

■ 50.0952, 0.2197,
0.2760

■ 53.9485, 0.2292,
0.2847

■ 58.3064, 0.2405,
0.2932

■ 63.2034, 0.2533,
0.3014

■ 68.6703, 0.2672,
0.3091

■ 74.7355, 0.2820,
0.3163

■ 81.4253, 0.2973,
0.3230

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.1087, 0.2049, 0.2928



41.1087, 0.2027, 0.2497



41.1087, 0.2255, 0.2314

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



41.1087, 0.2027, 0.2497



41.1087, 0.3955, 0.2988



41.1087, 0.3449, 0.4446

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



41.1087, 0.2027, 0.2497



21.7933, 0.6134, 0.3512

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



41.1087, 0.4007, 0.4321



41.1087, 0.2027, 0.2497



41.1087, 0.4339, 0.3458

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



41.1087, 0.2027, 0.2497



41.1087, 0.3336, 0.2600



41.1087, 0.4347, 0.3937



41.1087, 0.2834, 0.4162

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.1087, 0.2027, 0.2497



41.1087, 0.2537, 0.2321



41.1087, 0.4347, 0.3937



41.1087, 0.3649, 0.4445

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



41.1102, 0.2027, 0.2497



77.3081, 0.2671, 0.3091



63.7740, 0.2934, 0.5764



15.9730, 0.2611, 0.3059



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.1102, 0.2027, 0.2497



46.2387, 0.2026, 0.2495



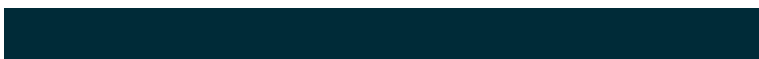
10.1350, 0.1583, 0.0897



17.2614, 0.2981, 0.3233



22.3118, 0.2031, 0.2511



2.0066, 0.2063, 0.2626

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



22.3744, 0.3925, 0.1936



25.1990, 0.3928, 0.1937



50.4903, 0.4770, 0.4595



15.9641, 0.3174, 0.3111



12.0457, 0.3911, 0.1928



1.0173, 0.3799, 0.1866

Previews

White Background



This preview shows how the Yxy color 41.1087, 0.2027, 0.2497 looks on a white background.

Color Contrast Check

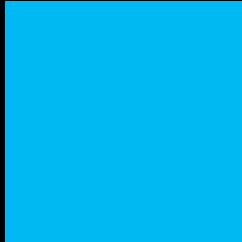
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 41.1087, 0.2027, 0.2497 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

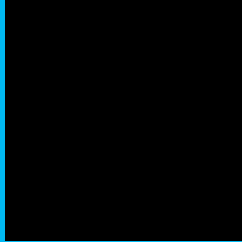
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.1087, 0.2027, 0.2497

Background



This preview shows how black text looks on a background with the Yxy color 41.1087, 0.2027, 0.2497.

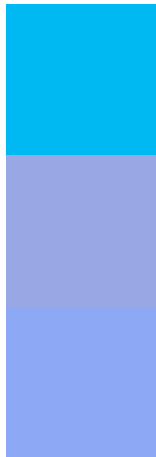


This preview shows how white text looks on a background with the Yxy color 41.1087, 0.2027, 0.2497.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

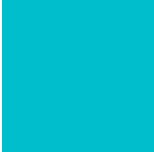
41.1087, 0.2027, 0.2497

Protanopia

40.4347, 0.2557, 0.2504

Deuteranopia

40.6925, 0.2384, 0.2321



Tritanopia

41.1865, 0.2187, 0.3073

Trichromacy



Original Color

41.1087, 0.2027, 0.2497



Protanomaly

38.7540, 0.2222, 0.2466



Deuteranomaly

39.4262, 0.2150, 0.2353



Tritanomaly

41.0284, 0.2123, 0.2843

Monochromacy



Original Color

41.1087, 0.2027, 0.2497



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

28.2326, 0.2413, 0.2934

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.1087, 0.2027, 0.2497 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(0, 185, 242)` looks like.

```
.text, #text, p{  
    color:rgb(0, 185, 242)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(0, 185, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 185, 242) }
```

Border

The CSS property to change the border of an element to Yxy 41.1087, 0.2027, 0.2497 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(0, 185, 242) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(0, 185, 242) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(0, 185, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 185, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 185, 242);  
box-shadow:4px 4px 4px 4px rgb(0, 185,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 41.1087, 0.2027, 0.2497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 185, 242) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(0, 185,  
242) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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